

Amendments to the specification:

Please replace the description of the first embodiment with the following amended paragraphs:

Referring now to FIG. 4 (and looking ahead to FIG. 11), we show there a structure that is similar to the one shown in FIG. 1, but modified in accordance with the teachings of the present invention. As before, upper pole 11 and lower pole 12 enclose, between them, field coil 14. The key novel feature is a second layer of high magnetic permeability material 41 that serves as a secondary lower pole. It fully covers and contacts primary lower magnetic pole 12 as well as non-magnetic layer 91, above which it becomes a ledge whose free edge is at the ABS. ledge 41 of magnetic (high permeability) material that extends outwards away from the main body of lower pole 12. The outer edge of ledge 41 has the same width as, and is in alignment with, the outer edge of top pole 11 so that Write gap 13 lies between poles 11 and 41. The combined them and said widths of 11, 13, and 41, define the track width TW. As a result, most of primary bottom pole 12 is set back some distance from the ABS and so has relatively little magnetic interaction with the disk surface. FIG. 7 is an isometric view that illustrates the spatial relationships between top pole 11 and bottom poles 41 and 12.

For purposes of simplification, FIG. 4 has been drawn as though ledge 41 is a cantilever. In actuality, a layer of insulation is present below 41 to support it. Details of this support layer are provided later, in the section where we describe the process for manufacturing this structure (see FIG. 11).